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Narrow Band FM Demodulator

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FINAL REPORT
FOR A
NARROW BAND FM DEMODULATOR

Submitted by
Alexander Guevara
April 23, 1990

ABSTRACT

The task of the radio receiver has always been to "get the signal". However, with the proliferation of high powered transmitters, the burgeoning growth of electronic noise pollution, and cosite transmitters surrounding the receiver system, often weak-signal reception is difficult, if not impossible. The heart of the radio receiver is the DEMODULATOR CIRCUIT. Whether the receiver system is AM or FM, the demodulator circuit must take the RF-IF composite signal and convert it down to an audio baseband signal for the listener / user. Because the demodulator plays an important part of the receiver system, parameters such as performance, reliability, and simplicity are desirable characteristics to the design of a DEMODULATOR CIRCUIT. This report will describe an approach to meet these desirable characteristics.

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